

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Christopher C. Beatty et al.

Confirmation Number:

Application No.: Unknown

Examiner:

Filing Date: October 29 2003

Group Art Unit:

Title: THIN METAL OXIDE FILM AND METHOD OF MAKING THE SAME

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EV 220260464 US

Date of Deposit **October 29 2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Typed Name: Julia Church Dierker

Respectfully submitted,

Christopher C. Beatty et al.

By


Julia Church Dierker

Attorney/Agent for Applicant(s)
Reg. No. **33368**

Date: **October 29 2003**

Telephone No.: **248-649-9900**

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 100204750-1	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT Christopher C. Beatty et al.		
	FILING DATE October 29 2003	GROUP	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4,397,671	08/09/1983	Vong	
	1B	4,960,618	10/02/1990	Tanitsu, et al.	
	1C	5,100,764	03/31/1992	Paulson, et al.	
	1D	5,137,749	08/11/1992	Yamazaki et al.	
	1E	5,175,027	12/29/1992	Holmes-Farley et al.	
	1F	5,182,143	01/26/1993	Holmes-Farley et al.	
	1G	5,275,843	01/04/1994	Hirano	
	1H	5,393,907	02/28/1995	Hashimoto et al.	
	1I	5,494,700	02/27/1996	Anderson et al.	
	1J	5,686,151	11/11/1997	Imai et al.	
	1K	5,776,236	07/07/1998	Neuman et al.	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Materials Safety Data Sheet (MSDS) for UPC Universal Protective Coating, ATMI Materials, Ltd., June 12, 2001; pp 1-8.
	1R	
	1S	

EXAMINER	DATE CONSIDERED
----------	-----------------

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 100204750-1	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT Christopher C. Beatty et al.		
	FILING DATE October 29 2003	GROUP	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	5,939,197	08/17/1999	Blohowiak et al.	
	2B	6,016,689	01/25/2000	Bright et al.	
	2C	6,117,487	09/12/2000	Akutsu et al.	
	2D	6,165,553	12/26/2000	Chen et al.	
	2E	6,172,152	01/09/2001	Kim et al.	
	2F	6,187,157	02/13/2001	Chen et al.	
	2G	6,207,280	03/27/2001	Atarashi et al.	
	2H	6,251,473	06/26/2001	Wang et al.	
	2I	20020145134	10/10/2002	Olding et al.	
	2J	6,475,657	11/05/2002	Del Gallo et al.	
	2K	6,485,619	11/26/2002	Sasaki	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	
	2R	
	2S	

EXAMINER	DATE CONSIDERED
----------	-----------------

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

100204750-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Christopher C. Beatty et al.

FILING DATE

October 29 2003

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A	6,524,421	02/25/2003	Chen et al.	
	3B	20030049943	03/13/2003	Choi et al.	
	3C	20030077456	04/24/2003	Atkins et al.	
	3D	6,562,461	05/13/2003	Clough	
	3E	6,589,453	07/08/2003	Saitoh et al.	
	3F	6,589,457	07/08/2003	Li et al.	
	3G				
	3H				
	3I				
	3J				
	3K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L					
	3M					
	3N					
	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	
	3R	
	3S	

EXAMINER

DATE CONSIDERED